

## AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0006] on page 2 of the specification as follows:

- [0006] The Entrez Map Viewer provided by the National Center for Biotechnology Information (NCBI, ~~see [http://www.ncbi.nih.gov/mapview/map\\_search.cgi?taxid=9606](http://www.ncbi.nih.gov/mapview/map_search.cgi?taxid=9606)~~) provides graphical displays of features on NCBI's assembly of human genomic sequence data as well as cytogenetic, genetic, physical, and radiation hybrid maps. The Entrez Map Viewer integrates human sequence and map data from a variety of sources, and displays various types of maps including sequence, cytogenetic, genetic linkage, radiation hybrid and YAC contig.

Please amend paragraph [0013] on page 4 of the specification as follows:

- [0013] A current implementation for visualizing genomic gene expression data from microarrays is provided by GeneSpring 5.0, available from Silicon Genetics, of San Carlos, California (~~[http://www.sigenetics.com/cgi/SiG.cgi/flash/tut\\_welcome.smf](http://www.sigenetics.com/cgi/SiG.cgi/flash/tut_welcome.smf)~~). GeneSpring 5.0 provides a genome browser for displaying genes of interest or all of the genes in a genome view. The genes may be displayed as vertical bars along horizontal lines, corresponding to their positions along the chromosomes where they are located. The browser provides zooming capabilities wherein a portion of the genome map may be expanded to view in greater detail, but this view does not maintain focus and context. Thus, only one mapping view at a time is available and the user must continuously switch between screens if any comparisons among different views are to be made.

Please amend paragraph [0080] on pages 15-16 of the specification as follows:

- [0080] One example of a facility for providing a suitable identifier to specify a genetic locus of each datum is provided in co-pending, commonly assigned Application Serial No. 10/154,529 filed May 22, 2002 and titled "Biotechnology Information Naming System", which is incorporated herein, in its entirety, by reference thereto. Application Serial No. 10/154,529 describes a computer system that serves to resolve bio-molecular identification numbers and

names with alternate identification designations as well as annotation information. This facility can programmatically return such ID's and annotation in real-time, for a given RefSeq accession number, UniGene ID, or LocusLink ID, (~~<http://www.ncbi.nlm.nih.gov/LocusLink/>~~) which includes the LocusLink curated chromosome location.